Approved For Release 2001/11/21 : CIA-RDP80-00810A003900390008-9 25X1A CLASSIFICATION SECRET/CONTROL - U.S. AND 25X1A CENTRAL INTELLIGENCE AGENCE KEPUKI NU INFORMATION REPORT CD NO 25X1A 19 April 1954 DATE DISTR Germany Meeting of the German Geophysical Society NO. OF PAGES NO OF ENCLS. SUPPLEMENT TO

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- 1. The 19th meeting of the German Geophysical Society was held in Han Jack Firm 6 October through 10 October 1953. The meeting was divided into the accidence. The first section consisted of three days of accompliate lectures at the Technische Hochschule in Fannover. The recond section was an exhibition of ecophysical equipment held on the grounds of the firm Schludberger-Verichten. Inhalantaryor landstrasse 60%, Hannover. The third section was a field trip to the oil fields in the usighborhood of Hannover with special omphasis on description of new seigmic measuring devices by the Elwarath Company.
- 2. The following papers were presented:
 - a. A Argence, Freitung: The Computation of the Two Electron Deceity in the Tomosphere.
 - b. H. Berg, Cologne: Oritical Remarks Conserving the The United Sons of Local Earthquakes.
 - a. A. Bibl, Freiburg: Discurtances of High Propagation Speed in the homosphere
 - d. R. Borifeld, Westerbelle: Comments on the Determination of Density According to the Methods of Methodol.
 - e. O. Burkard, Graz: Recent Findings Concerning the Londspheric Follager.
 - f. E. David, Hamburg: The Behavior of Materials Under Pressures Comparable on Those of the Interior of the Earth.
 - g. G. Fanselsu, Niemegh: On New Work at the Georgeotic Observatory in Niemegh.
 - h. H. Flatne, Hennover: Prospecting and Oslimitation of doubl became by beans of Geo-electric Measurement;
 - i. E. Flander, Hannover: The Caterolog, a New Resistance-Type Measuring Esvice
 - jor O. Foertsch, Munich: The Cause of the Absorption of Electic Mayon.

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- k. A. Hahn, Hannover: The Measurement of the Vertical Gradients of Z with the Field Magnetometer.
- 1. 0. Kappalmoyer, Hannover: Research in the Earth's Surface Temperature.
- m. R. Lauterbach, Leipnig: The Question of the declogical Meaning of Small decomposite Anomalies.
- n. K. Luchner, Hannover: The Scintillation Counter for the Determination of Different Gamma-ways.
- o. H. Martin, Jana: The Wave Front Process and the Seismic Report.
- p. K. Rawer and E. Argence, Freiburg: The Development of the E-layer in the Ionosphere.
- 4. No. Reich, Manich: Concerning the Propagation of Seismic Impulses in the Juras of Southern Garmany.
- 2. W. Schumann, Berlin: A Discussion of the Developmental Work in the Area of "Construction-geophysics."
- 5. K. Strobach, Hamburg: Systematic Transmission Time Differences of the P-phase for a Fow European and North American Stations.
- 4. U. Vidal, Hannover, Munich: Report of Selsmit Measurements in the Austrian Alps.
- W. I. Woodt, Hannover: Potasb Determination with the Geiger Counter.
- W. Westerhaussu, Elmshorn: Concerning the Location of Microseismic Disturbance Centers.
- Now North at the Misneck Concretory," presented by Dr. Gerhard Fanselau, invoked the greekest interest. It was particularly interesting because many of the extendings in attendance had been unable to maintain contact with their former exchanges from Potacam, Laipsig. Dresdou and Jana and they volcomed, wholeheartedly, may have of the work curved on at the observatories and institutes where they came worked. Dr. Fanselau stated that plans for the establishment of new bases for the measurement of the horizontal and vertical intensities of the earth's magnetism had existed for many years but not until this year was the work setuply vertical one under his direction of diameter. Another problem handled at Manage was the maintenence of a constant mannetic field over a relatively large work.
- la 1933 Estaclar developed an apparatus to time and count the master of current insulates art up by a salaging mequat. Within the last year he has improved the device by substituting an electric flash for invalencent light in the exposure of the photographic plates so that the pictured indicator is more sharply outlined
- Hadeclau also discussed the new field megnatometer which employs a hand rather base 9 kmile edge for the enspoyation of the megnet system. To strongly suppose it has accomplishment in combining the measurements of the borisontal and combining the measurements of the borisontal and
 - to contract to the method used at the Wingst observatory, Paraelau has developed a fairly food system for othernic the time derivatives of the vertical and larrasonal intensition. At Wingst, the measurements are used with the relatively established for many sindings and with soft iron covers at Himsek, Faraelau has fastened a wire to a fence and only a large crea producing, to effect, a single white Housenest carried a current is induced in it through the way that of the applical of the applications.

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time derivative the circuit will be located around one of the observatory buildings.

Personnel at the Niemegh observatory are also interested in the measurement of parth current between two electrodes located relatively close together. N. Schmidt reported in the discussion following Fancelau's talk that he had developed a new anthod of measuring magnetic field strength making use of proton resonance. The method is a complicated one and the advantages did not appear obvious, reportedly in view of the fact that any natural magnetic field can be nullified by an arbificial one and the artificial field can be determined with great accordages.

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